

Addendum to
Guidelines for the Design and Use of Sand Filters in Critical Resource Areas

July 24, 2006

Effective immediately, the Department authorizes use of ADS N-12 IB ST pipe (corrugated exterior, smooth interior with soil-tight joint; or equivalent) for the dome-like covering over Shallow Narrow Drainfields and Pressurized Shallow Narrow Drainfields.

Use of ADS pipe must conform to the installation provisions set forth in the Guidelines for the Design and Use of Sand Filters in Critical Resource Areas as follows.

Drainfield Cover

The dome-like covering, over the pipe installed as part of a shallow and narrow drainfield, should be made of either:

- 12-inch diameter PVC pipe (or approved equivalent) or,
- Nominally equivalent size, high-density polyethylene (HDPE) pipe (ADS N-12 IB ST or approved equivalent) with corrugated exterior and smooth interior with soil-tight joint,

cut lengthwise (Figure 13 and 14 below).

One (1) inch diameter Schedule 40 PVC support pipes should be used to support the dome (and pressure pipe), act as a spreader device for the dome, and provide a greater bearing surface for the dome. These support / spreader pipes should be spaced approximately four (4) feet apart or whenever a drainfield cover joint occurs. Notches should be cut into either end of the support pipes for the cover to fit into. This will help provide greater structural strength for the cover. Filter fabric should be placed over or wrapped around any joint or inspection port. This will keep migration of fine soil particles into the drainfield trench to a minimum. Inspection ports are required every twenty (20) feet. The ends of the drainfield cover should be wrapped with filter fabric or capped with a suitable end cap.



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